Eccentric Bushings

Compact and robust elastomeric bushings providing high vertical flexibility and effective vibration isolation, particularly suitable for cab suspension systems.

AMC-MECANOCAUCHO® Eccentric Bushings are elastomeric components specifically designed for applications requiring **high flexibility in the vertical direction**, combined with effective control of movement in the other directions.

Their design is based on an **offset between the axis of the inner sleeve and that of the outer sleeve**. This geometry provides **different stiffness characteristics in each axis**, improving vibration isolation in the primary direction while maintaining the stability of the assembly.

By combining **flexibility, controlled movement, and resistance to dynamic loads**, these bushes are particularly suitable for the **elastic suspension of vehicle cabs and mobile equipment**.

They can be used in cab suspension systems subjected to **high dynamic loads and FOPS/ROPS structural safety requirements**, where vibration isolation, movement capability, and stability are required simultaneously.

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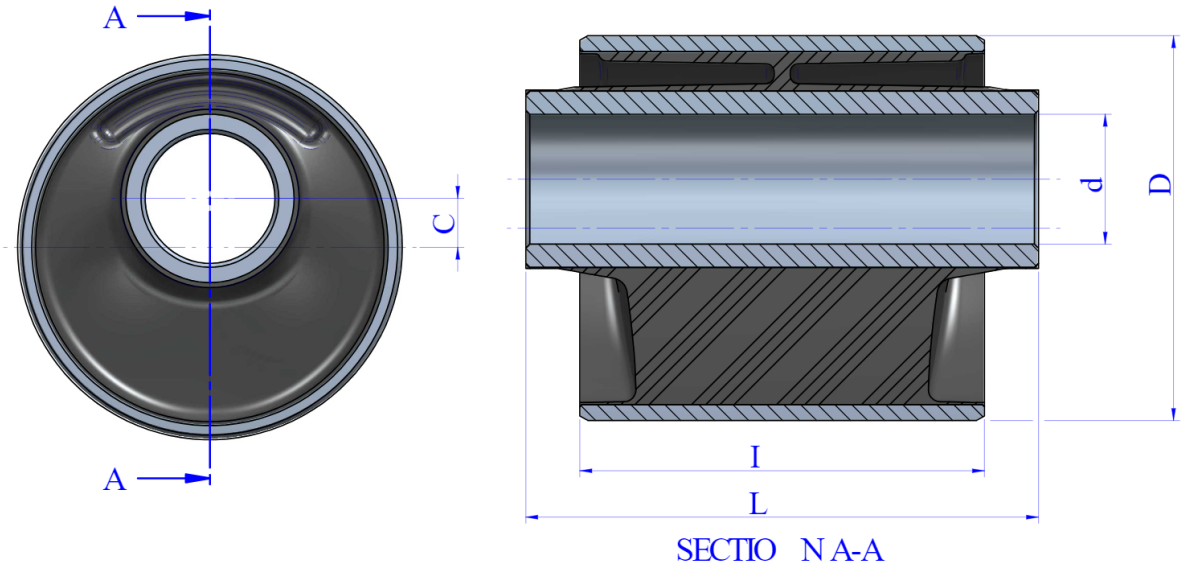
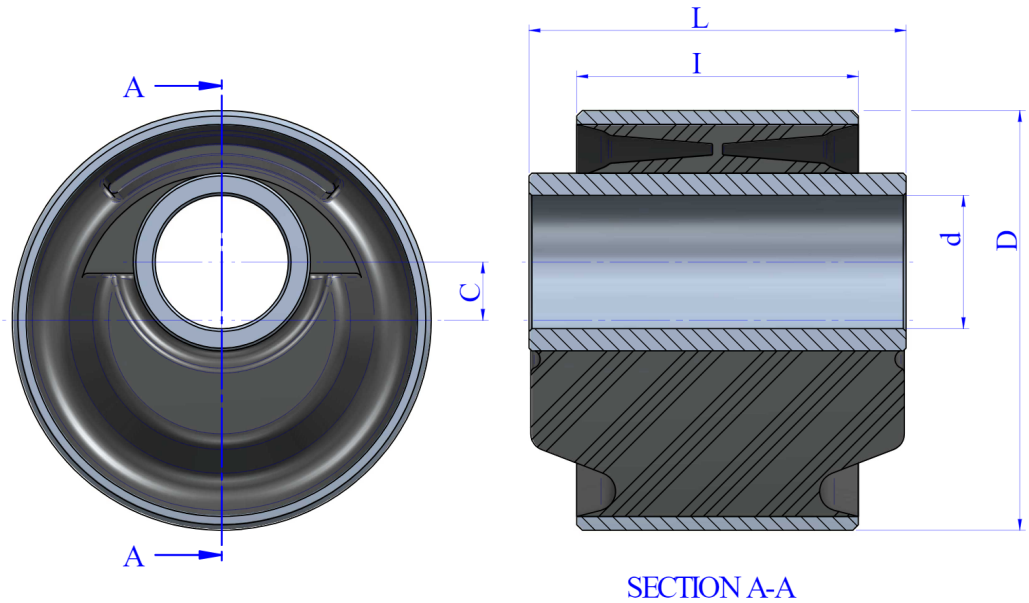
Drawings

MINI



Type	d(in)	C(in)	D(in)	l(in)	L(in)	Weight(lbs)	Code	Max. Load(lbs)	Shore
MINI	0.64	0.24	1.89	1.99	2.52	1	154161	242	45 Sh
							154163	397	60 Sh

SMALL



Type	d(in)	C(in)	D(in)	l(in)	L(in)	Weight(lbs)	Code	Max. Load(lbs)	Shore
SMALL	0.94	0.41	2.98	2	2.68	1	154159	441	45 Sh
							154158	860	60 Sh

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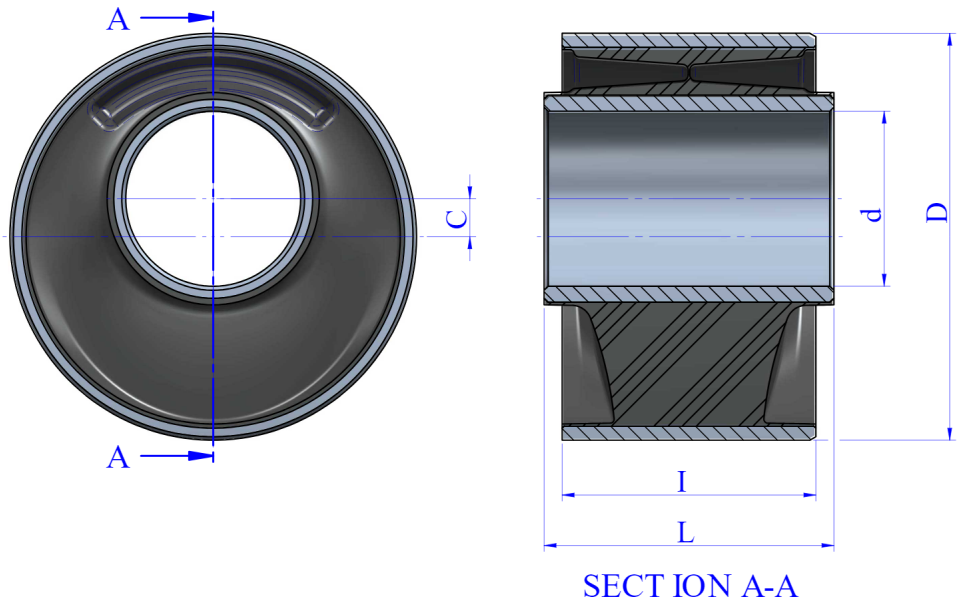
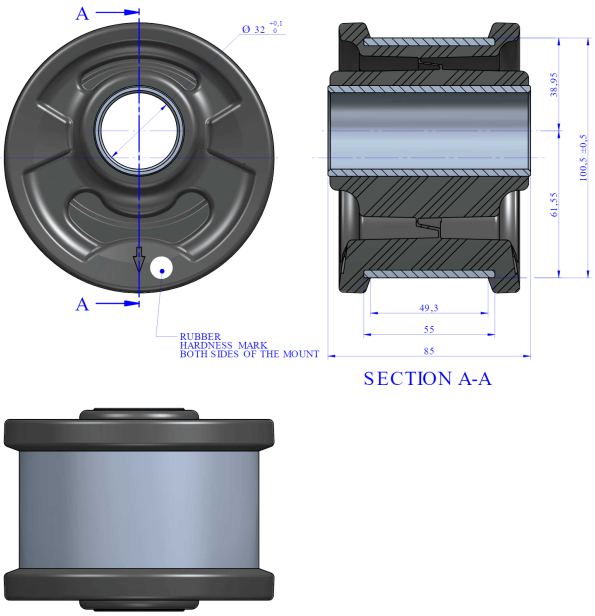
LARGE



Type	d(in)	C(in)	D(in)	I(in)	L(in)	Weight(lbs)	Code	Max. Load(lbs)	Shore
LARGE	1.72	0.37	4	2.5	2.85	2	154154	639	45 Sh
							154155	1124	60 Sh

100 HD



Type	d(in)	C(in)	D(in)	I(in)	L(in)	Weight(lbs)	Code	Max. Load(lbs)	Shore
100 HD	-	-	-	-	-	2	154181	639	50 Sh
							154182	771	55 Sh
							154183	948	60 Sh
							154184	1245	70 Sh

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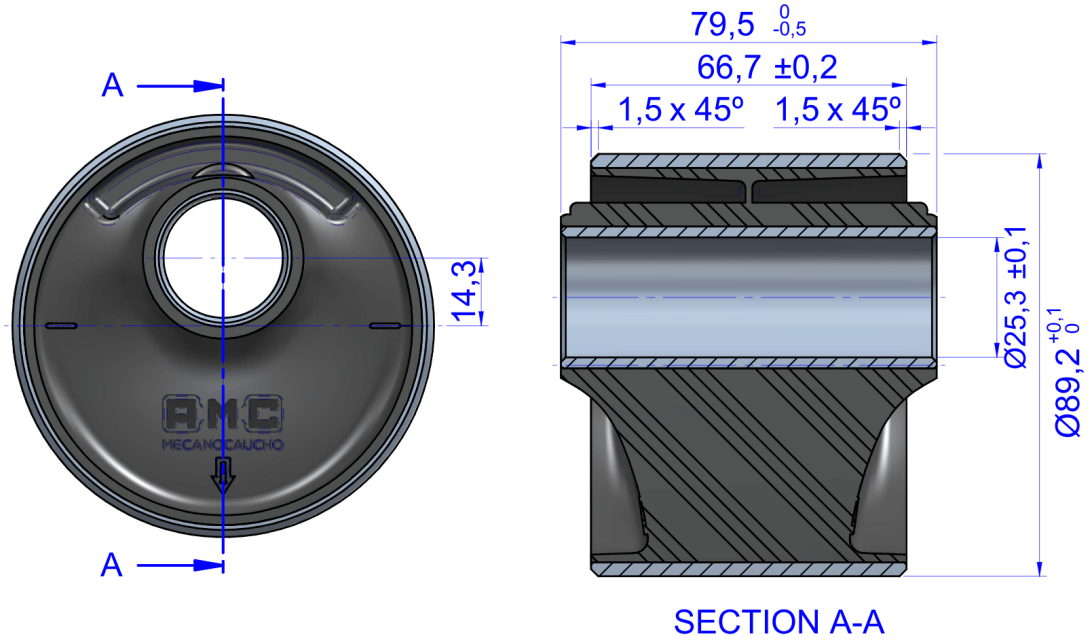
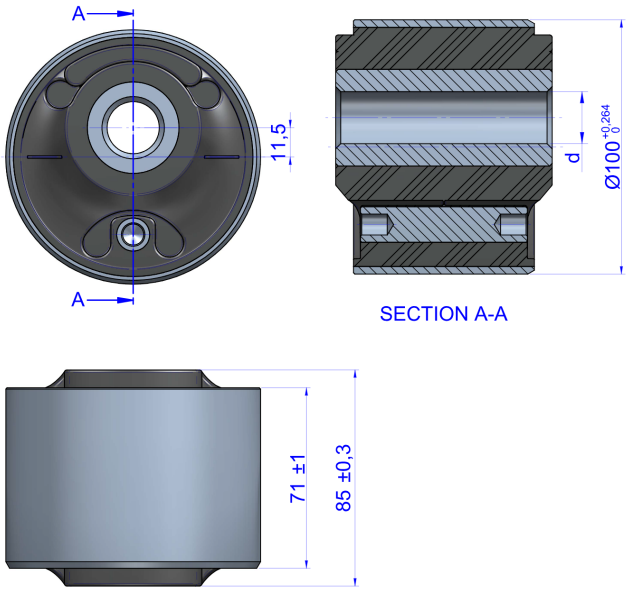
Ø90



Type	d(in)	C(in)	D(in)	l(in)	L(in)	Weight(lbs)	Code	Max. Load(lbs)	Shore
Ø90	-	-	-	-	-	2	154136	771	65 Sh

100 RD



Type	C(in)	D(in)	l(in)	L(in)	Code	Max. Load(lbs)	d(in)	Shore	Weight(lbs)
100 RD	-	-	-	-	154192	661	20,5±0,3	45 Sh	3
					154175	992	20,5±0,3	50 Sh	3
					154188	1322	20,5±0,3	65 Sh	3
					154195	992	0.98	50 Sh	3
					154189	1102	0.98	65 Sh	3
					154202	992	1.26	50 Sh	3

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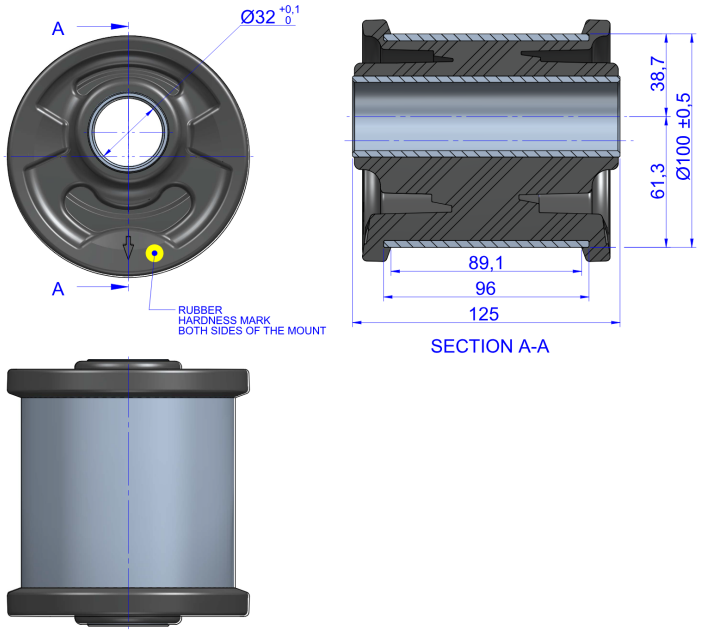
110 HD



Type	d(in)	C(in)	D(in)	l(in)	L(in)	Weight(lbs)	Code	Max. Load(lbs)	Shore
110 HD	-	-	-	-	-	4	154067	1212	40Sh
							154142	1543	50Sh
							154143	1873	60Sh
							154144	2645	70Sh

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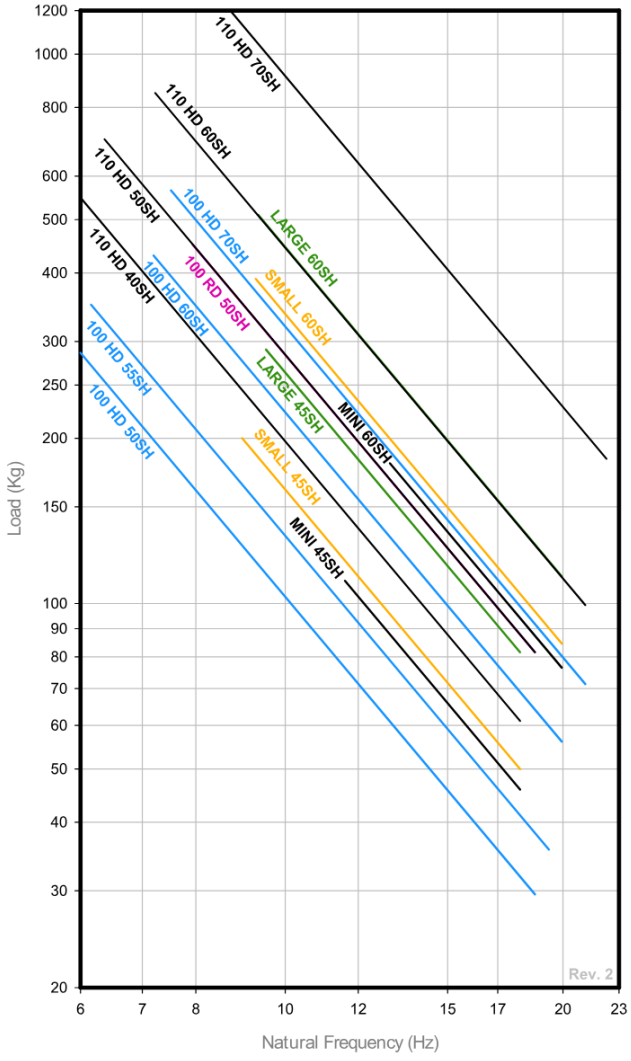
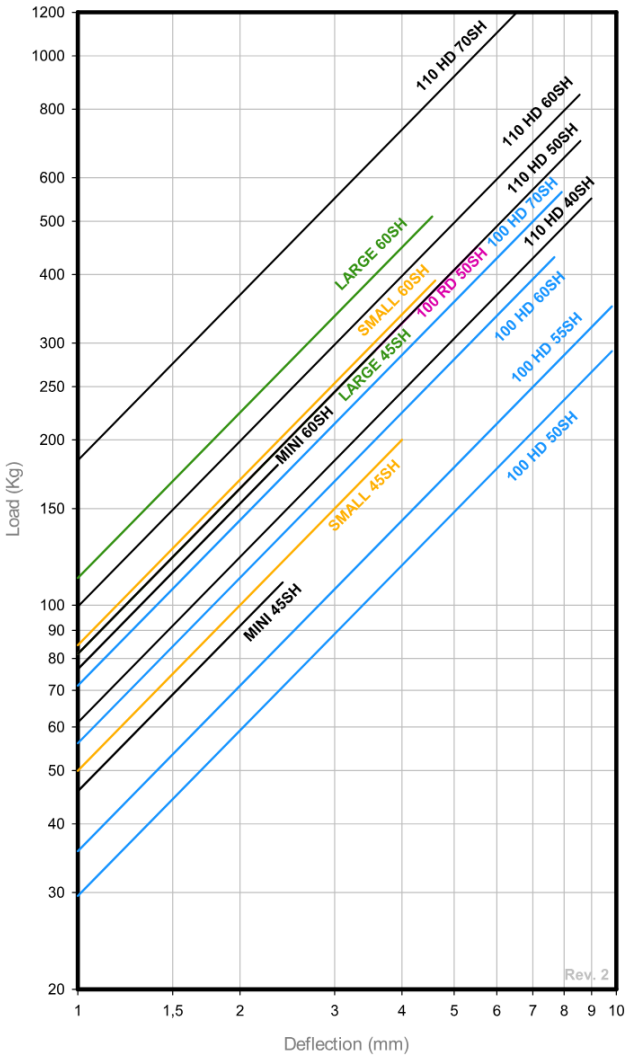
Elastic properties

NATURAL FREQUENCY
AMC MECANOCAUCHO® ECCENTRIC BUSHING



LOAD DEFLECTION GRAPH
AMC MECANOCAUCHO® ECCENTRIC BUSHING



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Technical characteristics

- Optimal vibration damping and isolation.
- Fit to use for robust and safe constructions.
- Simple installation and application.

Advantages

High robustness in dynamic applications for improved durability

These mounts offer enhanced robustness and are designed to withstand extreme load peaks. They are especially recommended when good durability is required in demanding applications.

Improved isolation

It offers improved isolation compared to conventional anti-vibration mounts of similar geometry.

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